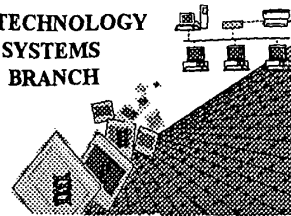


BIOTECHNOLOGY
SYSTEMS
BRANCH



2/21

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/667,170
Source: GIPE
Date Processed by STIC: 2/21/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/667,170

DATE: 02/21/2002
TIME: 11:32:43

Input Set : A:\EP.txt
Output Set: N:\CRF3\02212002\I667170.raw

3 <110> APPLICANT: Reed, Steven G.
4 Henderson, Robert A.
5 Lodes, Michael J.
6 Fling, Steven P.
7 Mohamath, Raodoh
8 Algate, Paul A.
9 Secrist, Heather
10 Indirias, Carol Yoseph
11 Benson, Darin R.
13 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
14 THE THERAPY AND DIAGNOSIS OF LUNG CANCER
17 <130> FILE REFERENCE: 210121.475C7
19 <140> CURRENT APPLICATION NUMBER: US 09/667,170
20 <141> CURRENT FILING DATE: 2000-09-20
E--> 22 <160> NUMBER OF SEQ ID NOS: 440 OK
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0

Does Not Comply
Corrected Diskette Needed

pp 1-3
(format errors)

ERRORED SEQUENCES

63 <210> SEQ ID NO: 3
64 <211> LENGTH: 697 706 shown
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapien
68 <220> FEATURE:
69 <221> NAME/KEY: misc_feature
70 <222> LOCATION: (1)...(697)
71 <223> OTHER INFORMATION: n = A,T,C or G
73 <400> SEQUENCE: 3
74 gtactcagac ccccaacctc gaacagccag aagacaggtt gtctcctggt ccttggaacac
W--> 75 agcngccag gccattgaag ganaagcaaa gacgaagcga accatctctc tccattgtgg
W--> 76 gggccaagta gctgcantan ccttcagtc cagttgcatt gggtaaaga gtcatacat
E--> 77 actatgtgtt aggggtacag aagcttttcc tcatagggca tgagctctg aagcttttcc tcatagggca
E--> 78 tgagctcttn aacttgggtt ttctgtggtt cataaagttt ggatatgtat ttttttcaa
E--> 79 atggaanaaa atccgtattt ggcaaaaaga ctccaggggg atgatactgt ccttgccact
E--> 80 tacagtccaa angatnttcc ccaaagaata gacatttttt cctctcatca cttctggatg
E--> 81 caaaatcttt tatttttttc ctttctcgca ccnccccaga ccccttnnag gttnaaccgc
E--> 82 ttcccatctc cccatttcca cagatnttg aattngcann ncgttgnttg tcgggtcccn
E--> 83 nccgaaaggg tntttttatt cggggttctg anttnnnaac cncnagttg aatccgegg
E--> 84 gcggccnngn ggggttnnacc atgntgggga naactnccn ccgcgnttg aatgccanag
E--> 85 ccttgaaant tttcttttgg tcgcccccn gagatc
1494 <210> SEQ ID NO: 59
1495 <211> LENGTH: 125 117 (p.2)

Per Sequence rules,
FYI: a maximum of
60 bases per line
allowed —
this line exceeds maximum
numbering off

RAW SEQUENCE LISTING

DATE: 02/21/2002

PATENT APPLICATION: US/09/667,170

TIME: 11:32:43

Input Set : A:\EP.txt

Output Set: N:\CRF3\02212002\I667170.raw

1496 <212> TYPE: PRT
 1497 <213> ORGANISM: Homo sapien
 1499 <400> SEQUENCE: 59
 1500 Gly Thr Ser Phe Ser Lys Asn His Ala Ala Pro Phe Ser Lys Val Leu
 1501 1 5 10 15
 1502 Thr Phe Tyr Arg Lys Glu Pro Phe Thr Leu Glu Ala Tyr Tyr Ser Ser
 1503 20 25 30
 1504 Pro Gln Asp Leu Pro Tyr Pro Asp Pro Ala Ile Ala Gln Phe Ser Val
 1505 35 40 45
 1506 Gln Lys Val Thr Pro Gln Ser Asp Gly Ser Ser Ser Lys Val Lys Val
 1507 50 55 60
 1508 Lys Val Arg Val Asn Val His Gly Ile Phe Ser Val Ser Ser Ala Ser
 1509 65 70 75 80
 1510 Leu Val Glu Val His 80
 1511 Leu Val Glu Val His Met Glu Thr
 E--> 1512 85 90 95
 1513 Asp Gln Asn Ala Lys Glu Glu Glu Lys Met Gln Val Asp Gln Glu Glu
 E--> 1514 100 105 110
 1515 Pro His Val Glu Glu Gln Gln Gln Thr Pro Gly Arg
 E--> 1516 115 120 125
 5952 <210> SEQ ID NO: 233
 5953 <211> LENGTH: (366) 356
 5954 <212> TYPE: DNA
 5955 <213> ORGANISM: Homo sapien
 5957 <220> FEATURE:
 5958 <221> NAME/KEY: misc_feature
 5959 <222> LOCATION: (1)...(366)
 5960 <223> OTHER INFORMATION: n = A,T,C or G
 5962 <400> SEQUENCE: 233
 5963 cagtaaaaaa ggttatgttt tattaattgc tggacaaccg tgggaaaaca aataagcaat 60
 W--> 5964 tgacaccacc aaattcttat tacattcaan ataaaanatt tattcacacc acaaaaagat 120
 5965 aatcacaca aaatatacac taacttaaaa aacaaaagat tatagtgaca taaaatgtta 180
 E--> 5966 tattctcttt taaaatgtta (180)?
 E--> 5967 tattctcttt tacataaatt tctattcatg (240)?
 E--> 5968 ananaataac aaatattaaa atacagtgat agtttgcat tcttctatag aatgaacata 300
 E--> 5969 gacataaccc tgaagctttt agtttacagg gagtttccat gaagccacaa actaaactaa 360
 E--> 5970 ttatca 366
 7724 <210> SEQ ID NO: 329
 7725 <211> LENGTH: 463
 7726 <212> TYPE: DNA
 7727 <213> ORGANISM: Homo sapien
 7729 <220> FEATURE:
 7730 <221> NAME/KEY: misc_feature
 7731 <222> LOCATION: (1)...(463)
 7732 <223> OTHER INFORMATION: n222> (1)...(463)
 7733 <223> OTHER INFORMATION: n9
 7734 caagttgcac attttaattt acaattttta ccaataaaaa ggattagttt acaaaaaggg 60
 7735 aagtccttta tacaaaataa ggacaatttg taaaganaat ccaactgcat gttttgcctt 120
 7736 gtcaagtcac aactcaataa gttgtttttg gtaaaattat tccagaaaca taatccagac 180

What
is
this?

already
180 above

what is this?

> <400> 329

↑ ↑
mandatory

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/667,170

DATE: 02/21/2002
 TIME: 11:32:45

Input Set : A:\EP.txt

Output Set: N:\CRF3\02212002\I667170.raw

W--> 7737 aaaatcaata acgtcatcag cttcctaacc atgtttaana ggaataactt catgaacatt 240
 W--> 7738 ttgccctgaa ctgaanagtt ctaaataactt gtaaaccctt aggaaaaaat gactgctcgc 300
 W--> 7739 aggcagcttg actggtaaga ggttacacca nagactccgg gtcactcact gtcagaatat 360
 W--> 7740 tcttatacat acaatgagtc tccacgctg tacaatgagt gtcgtgcaac ataattggag 420
 W--> 7741 taatggcctc taaaatttta caagtaaact ttattgnggc ccc 463

E--> 7743 <400> SEQUENCE:

E--> 7743 ignore

E--> 7743 <210> SEQ ID NO: 330

8667 <210> SEQ ID NO: 384

8668 <211> LENGTH: (491) 486

8669 <212> TYPE: DNA

8670 <213> ORGANISM: Homo sapien

8672 <400> SEQUENCE: 384

8673 gagcctaata tcaggtgggc caccgagac ccttgagca ccaaccctag tccccgcgc 60

8674 ggcccttat tcgtccgac aaggtaaaa aaggtcttg acggcggcgt ggtaggagga 120

8675 cgggagcggg ggcgggaagt tccctgaagg agcgagacag ggaggacag ggcagaggag 180

8676 gagagggaag cgatgcgacg gacaggcgca cccgctcagg ctgactctcg gggcgagggt 240

8677 cgagccaggg gcggtgccc tggggcgag gcgacgtgt ctcaacctcc acctcgggc 300

E--> 8678 ggaacccgag gacaggagcc tcag(300)? already shown above

E--> 8679 ggaacccgag gacaggagcc tcagactcgcc (360)?

E--> 8680 aaactgcagg cacaagtgcg cattggtggg aaaggaaactg ctgcagaaa gaagaagggtg 420

E--> 8681 gttcatagaa cagccacagc agatgacaaa aaacttcagt tctccttaa gaagttagggt 480

E--> 8682 gtaacaata t 491

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/667,170

DATE: 02/21/2002

TIME: 11:32:47

Input Set : A:\EP.txt

Output Set: N:\CRF3\02212002\I667170.raw

L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:77 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:249 SEQ:3
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
M:254 Repeated in SeqNo=3
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:85 M:252 E: No. of Seq. differs, <211>LENGTH:Input:697 Found:706 SEQ:3
L:98 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

VERIFICATION SUMMARY

DATE: 02/21/2002

PATENT APPLICATION: US/09/667,170

TIME: 11:32:47

Input Set : A:\EP.txt

Output Set: N:\CRF3\02212002\I667170.raw

L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:1512 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:59
M:332 Repeated in SeqNo=59
L:1516 M:252 E: No. of Seq. differs, <211>LENGTH:Input:125 Found:117 SEQ:59
L:5966 M:254 E: No. of Bases conflict, LENGTH:Input:180 Counted:200 SEQ:233
M:254 Repeated in SeqNo=233
L:5970 M:252 E: No. of Seq. differs, <211>LENGTH:Input:366 Found:356 SEQ:233
L:7737 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:7738 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:7739 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:7740 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:7741 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:7743 M:200 E: Mandatory Header Field missing, <400> is required.
L:7743 M:252 E: No. of Seq. differs, <211>LENGTH:Input:463 Found:0 SEQ:329
L:7743 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO:330
L:8678 M:254 E: No. of Bases conflict, LENGTH:Input:300 Counted:324 SEQ:384
M:254 Repeated in SeqNo=384
L:8682 M:252 E: No. of Seq. differs, <211>LENGTH:Input:491 Found:486 SEQ:384
L:22 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (440) Counted (439)